WHAT IS CLAIMED IS:

1. An electrochemical cell comprising i) a negative electrode and a positive electrode, each comprising a current collector covered in an active material and provided with an extension defining a connection terminal, and ii) packaging means housing said electrodes in leaktight manner, the cell being characterized in that said connection terminals are placed on either side of an electrically insulating layer and co-operate therewith to define a single connection tab, and in that said single connection tab passes through said packaging means in such a manner as to project outwards, at least in part.

2. A cell according to claim 1, characterized in that it includes an insulating auxiliary layer place between said packaging means and said connection tab.

3. A cell according to claim 2, characterized in that said insulating auxiliary layer is constituted by a material comprising at least one polymer selected from acrylic polymer, a maleic polymer, and a polyolefin, and in particular a homopolymer of ethylene, and/or a homopolymer of propylene, and/or a copolymer of ethylene and propylene, or a mixture thereof.

4. A cell according to claim 1, characterized in that said electrically insulating layer is constituted by two sublayers.

5. A cell according to claim 1, characterized in that said electrically insulating layer is constituted by a material comprising at least one polymer selected from an acrylic polymer, a maleic polymer, and a polyolefin, and in particular a homopolymer of ethylene, and/or a homopolymer of propylene, and/or a copolymer of ethylene and propylene, or a mixture thereof.

6. A cell according to claim 1, characterized in that said packaging means are constituted by a multilayer structure comprising at least one support layer provided with a first face secured to an outer protective layer.

7. A cell according to claim 6, characterized in that said support layer is made of aluminum.

8. A cell according to claim 6, characterized in that said outer layer is made of a material selected from a group comprising at least a protective varnish and a layer of polyethylene terephthalate (PET).

9. A cell according to claim 6, characterized in that said multilayer structure includes an inner layer secured to a second face of the support layer.

10. A cell according to claim 9, characterized in that said inner layer is made of a material comprising at least one polymer selected from an acrylic polymer, and a polyolefin, and in particular a homopolymer of ethylene, and/or a homopolymer of propylene, and/or a copolymer of ethylene and propylene, or a mixture thereof.

11. A cell according to claim 1, characterized in that said packaging means are flexible.

12. A cell according to claim 1, characterized in that each second portion is secured to an active material suitable for being impregnated with a non-aqueous electrolyte.

13. A cell according to claim 12, characterized in that it includes a membrane housed in said packaging means, in contact with each of the active materials, and including said non-aqueous electrolyte.

14. A cell according to claim 1, characterized in that it is of the rechargeable type.

15. A battery, characterized in that it comprises at least one electrochemical cell according to claim 1.

16. Electronic components and/or circuits powered by an electrochemical cell according to claim 1 and/or a battery according to claim 15.

17. Electronic components and/or circuits according to claim 16, implanted in a smart card.